



185254011.ST25.txt
SEQUENCE LISTING

<110> Kaumaya, Pravin T.
Stevens, Vernon C.
Triozzi, Pierre L.

<120> Polypeptides and Polynucleotides for Enhancing Immune Reactivity to HER-2
Proteins

C1
<130> 18525/04011

<140> 09/632,036

<141> 2000-08-03

<150> 60/146,869

B2
<151> 1999-08-03

<160> 42

<170> PatentIn version 3.1

<210> 1

<211> 19

<212> PRT

<213> Homo sapiens

<400> 1

Thr Gly Thr Asp Met Lys Leu Arg Leu Pro Ala Ser Pro Glu Thr His
1 5 10 15

Leu Asp Met

<210> 2

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<211> 22

<212> PRT

<213> Homo sapiens

<400> 2

Ala Val Leu Asp Asn Gly Asp Pro Leu Asn Asn Thr Thr Pro Val Thr
1 5 10 15

Gly Ala Ser Pro Gly Gly
20

<210> 3

<211> 22

<212> PRT

<213> Homo sapiens

<400> 3

B2
with
Leu Trp Lys Asp Ile Phe His Lys Asn Asn Gln Leu Ala Leu Thr Leu
1 5 10 15

Ile Asp Thr Asn Arg Ser
20

<210> 4

<211> 35

<212> PRT

<213> Homo sapiens

<400> 4

Thr Leu Ile Asp Thr Asn Arg Ser Arg Ala Cys His Pro Cys Ser Pro
1 5 10 15

Met Cys Lys Gly Ser Arg Cys Trp Gly Glu Ser Ser Glu Asp Cys Gln
20 25 30

Ser Leu Thr
35

<210> 5

<211> 21

<212> PRT

<213> Homo sapiens

<400> 5

Ala Leu Val Thr Tyr Asn Thr Asp Thr Phe Glu Ser Met Pro Asn Pro
1 5 10 15

Glu Gly Arg Tyr Thr
20

<210> 6

<211> 24

<212> PRT

<213> Homo sapiens

<400> 6

Pro Leu His Asn Gln Glu Val Thr Ala Glu Asp Gly Thr Gln Arg Ala
1 5 10 15

Glu Lys Cys Ser Lys Pro Cys Ala
20

<210> 7

<211> 18

<212> PRT

<213> Homo sapiens

<400> 7

Pro Glu Ser Phe Asp Gly Asp Pro Ala Ser Asn Thr Ala Pro Leu Gln
1 5 10 15

Pro Glu

<210> 8

<211> 20

<212> PRT

<213> Homo sapiens

<400> 8

Leu Tyr Ile Ser Ala Trp Pro Asp Ser Leu Pro Asp Leu Ser Val Phe
1 5 10 15

Gln Asn Leu Gln
20

<210> 9

<211> 19

<212> PRT

<213> Homo sapiens

<400> 9

Leu Phe Arg Asn Pro His Gln Ala Leu Leu His Thr Ala Asn Arg Pro
1 5 10 15

Glu Asp Glu

<210> 10

<211> 34

<212> PRT

<213> Homo sapiens

<400> 10

Cys Leu Pro Cys His Pro Glu Cys Gln Pro Gln Asn Gly Ser Val Thr
1 5 10 15

Cys Phe Gly Pro Glu Ala Asp Gln Cys Val Ala Cys Ala His Tyr Lys
20 25 30

Asp Pro

<210> 11

<211> 18

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<212> PRT

<213> Homo sapiens

<400> 11

Lys Pro Asp Leu Ser Tyr Met Pro Ile Trp Lys Phe Pro Asp Glu Glu
1 5 10 15

Gly Ala

<210> 12

<211> 22

<212> PRT

<213> Homo sapiens

<400> 12

B² cont. Ile Asn Gly Thr His Ser Cys Val Asp Leu Asp Asp Lys Gly Cys Pro
1 5 10 15
Ala Glu Gln Arg Ala Ser
20

<210> 13

<211> 19

<212> PRT

<213> Clostridium tetani

<400> 13

Asn Ser Val Asp Asp Ala Leu Ile Asn Ser Thr Ile Tyr Ser Tyr Phe
1 5 10 15

Pro Ser Val

<210> 14

<211> 17

<212> PRT

<213> Clostridium tetani

<400> 14

Pro Gly Ile Asn Gly Lys Ala Ile His Leu Val Asn Asn Gln Ser Ser
 1 5 10 15

Glu

<210> 15

<211> 15

<212> PRT

<213> Clostridium tetani

<400> 15

Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu Leu
 1 5 10 15

<210> 16

<211> 21

<212> PRT

<213> Clostridium tetani

<400> 16

Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys Val Ser
 1 5 10 15

Ala Ser His Leu Glu
 20

<210> 17

<211> 15

<212> PRT

<213> Measles virus

<400> 17

Leu Ser Glu Ile Lys Gly Val Ile Val His Arg Leu Glu Gly Val
 Page 6

1 5 15

<210> 18

<211> 15

<212> PRT

<213> Hepatitis B virus

<400> 18

Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile Pro Gln Ser Leu Asn
1 5 10 15

<210> 19

<211> 20

<212> PRT

<213> Plasmodium falciparum

B²
wt
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Thr Cys Gly Val Gly Val Arg Val Arg Ser Arg Val Asn Ala Ala Asn
1 5 10 15

Lys Lys Pro Glu
20

<210> 20

<211> 4

<212> PRT

<213> None

<400> 20

Gly Pro Ser Leu
1

<210> 21

<211> 9

<212> PRT

<213> Homo sapiens

<400> 21

Ile Leu Trp Lys Asp Ile Phe His Lys
1 5

<210> 22

<211> 9

<212> PRT

<213> Homo sapiens

<400> 22

Ile Leu Lys Glu Thr Glu Leu Arg Lys
1 5

<210> 23

<211> 9

<212> PRT

<213> Homo sapiens

<400> 23

Val Leu Arg Glu Asn Thr Ser Pro Lys
1 5

<210> 24

<211> 9

<212> PRT

<213> Homo sapiens

<400> 24

Ala Ala Arg Pro Ala Gly Ala Thr Leu
1 5

<210> 25

<211> 9

<212> PRT

<213> Homo sapiens

B2
cont

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Leu Pro Ala Ser Pro Glu Thr His Leu
1 5

<210> 26

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<212> PRT

<213> Homo sapiens

<400> 26

Leu Pro Thr His Asp Pro Ser Leu Pro Leu
1 5 10

<210> 27

<211> 9

<212> PRT

<213> Homo sapiens

<400> 27

Cys Arg Trp Gly Leu Leu Leu Ala Leu
1 5

<210> 28

<211> 9

<212> PRT

<213> Homo sapiens

<400> 28

Arg Arg Phe Thr His Gln Ser Asp Val
1 5

<210> 29

<211> 9

<212> PRT

<213> Homo sapiens

<400> 29

Gly Arg Ile Leu His Asn Gly Ala Tyr
1 5

<210> 30

<211> 9

<212> PRT

<213> Homo sapiens

<400> 30

Thr Tyr Leu Pro Thr Asn Ala Ser Leu
1 5

<210> 31

<211> 9

<212> PRT

<213> Homo sapiens

<400> 31

Glu Tyr Val Asn Ala Arg His Cys Leu
1 5

<210> 32

<211> 9

<212> PRT

<213> Homo sapiens

<400> 32

Ala Tyr Ser Leu Thr Leu Gln Gly Leu
1 5

<210> 33

<211> 9

<212> PRT

<213> Homo sapiens

<400> 33

Ala Leu Cys Arg Trp Gly Leu Leu Leu
1 5

<210> 34

<211> 8

<212> PRT

<213> Homo sapiens

<400> 34

His Leu Tyr Gln Gly Cys Gln Val
1 5

<210> 35

<211> 9

<212> PRT

<213> Homo sapiens

<400> 35

Gln Leu Arg Ser Leu Thr Glu Ile Leu
1 5

<210> 36

<211> 9

<212> PRT

<213> Homo sapiens

<400> 36

Ile Leu His Asn Gly Ala Tyr Ser Leu
1 5

<210> 37

<211> 9

<212> PRT

<213> Homo sapiens

<400> 37

Ile Leu Leu Val Val Val Leu Gly Val
1 5

<210> 38

<211> 9

<212> PRT

<213> Homo sapiens

<400> 38

Asp Leu Thr Ser Thr Val Gln Leu Val
1 5

<210> 39

<211> 9

<212> PRT

<213> Homo sapiens

<400> 39

Val Leu Val Lys Ser Pro Asn His Val
1 5

<210> 40

<211> 9

<212> PRT

<213> Homo sapiens

<400> 40

Lys Ile Phe Gly Ser Leu Ala Phe Leu
1 5

<210> 41

<211> 9

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<212> PRT

<213> Homo sapiens

<400> 41

Ile Ile Ser Ala Val Val Gly Ile Leu
1 5

<210> 42

<211> 23

<212> PRT

<213> Homo sapiens

<400> 42

Ile Asn Gly Thr His Ser Cys Val Asp Leu Asp Asp Lys Gly Cys Pro
1 5 10 15

Ala Glu Gln Arg Ala Ser Pro
20

B²
coril.